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【260】 In Situ Spectroscopy beamline at the Swiss Light Source

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A new In Situ Spectroscopy beamline (X07DB) has been recently established at the Swiss Light Source (SLS). The beamline is now open to the user community *via* proposal access, offering studies of solid-gas and solid-liquid interfaces using ambient-pressure X-ray photoelectron spectroscopy. Two experimental endstations are available, capable of studying “real” catalysts such as polycrystalline/powder samples under catalytically relevant conditions, as well as model systems represented by well-defined single crystals prepared under UHV conditions. The unique capability of the beamline is the ability to perform electrochemical studies. Besides our current experimental capabilities, I will present the ongoing in-house research, instrumental development, and plans towards the scheduled upgrade of the SLS 2.0.

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